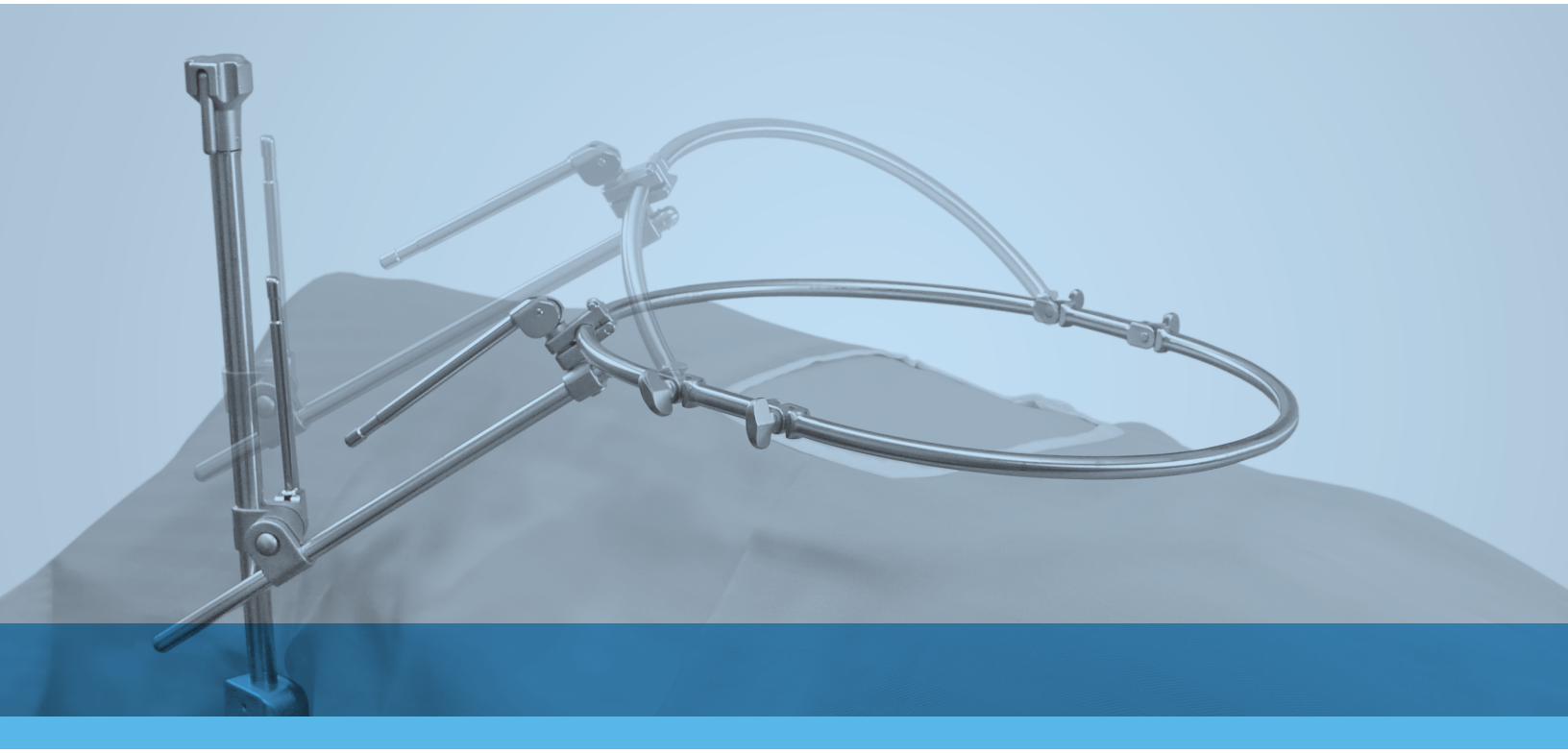
Hinged Ring Frame User Manual

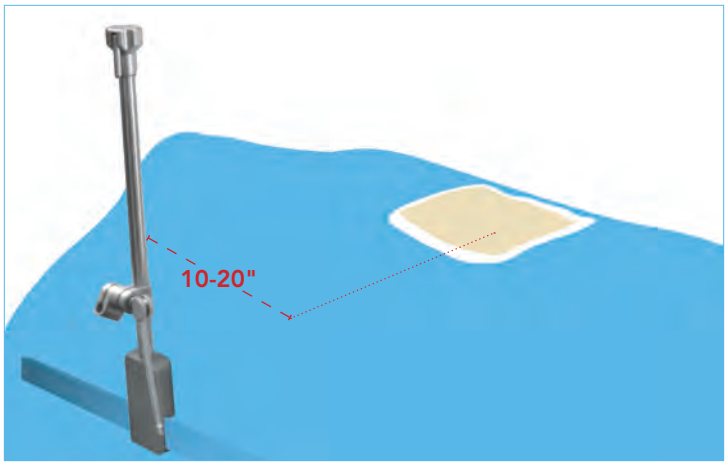
Thompson Retractor



Uncompromised Exposure

UNILATERAL TABLE MOUNT

1.



STEP 1

Secure the rail clamp to the OR table rail 10 - 20" superior or inferior to the incision site.

TIP: Attach near area of expected heaviest retraction.

1a.

STEP 1a

Completely open rail clamp jaw by turning the knob at the top of the rail clamp counterclockwise. Place the open rail clamp jaw over the sterile drapes.

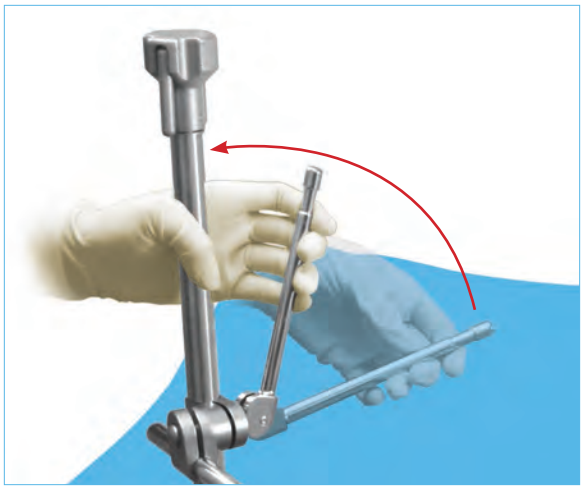
1b.

STEP 1b

Secure by turning the knob at the top of the rail clamp clockwise. Utilize the two hanging handles for leverage when needed.

CAUTION: If patient is obese, avoid compressing the patient's body. When necessary, use a wider OR table or add to the width of the table using a Rail Extender (41917).

2.



STEP 2

Insert the extension arm into the rail clamp joint and temporarily lock in place by flipping the rail clamp joint handle to the "locked" position.

BILATERAL TABLE MOUNT OPTION [NOT INCLUDED IN KIT]

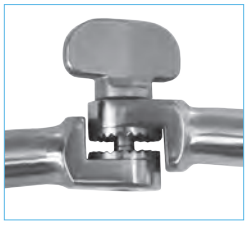
If necessary, for increased ring stability and especially for larger exposures, such as liver transplant, utilize a second rail clamp mounted on the opposite side of the table with an additional extension arm.

RING FRAME ASSEMBLY

Select the appropriate sized ring frame based on the procedure size.

SMALL, CIRCULAR RING:

a.



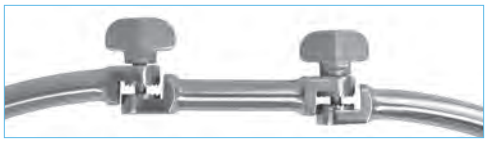
Mate the ring halves together so that the serrated faces meet each other.

b.

Rotate the 2 tightening screws clockwise to secure the ring halves together on each side. The ring may be secured in a hinged or flat position.

LARGE, OVAL RING:

a.



Mate the ring halves and extensions together so that the serrated faces meet each other.

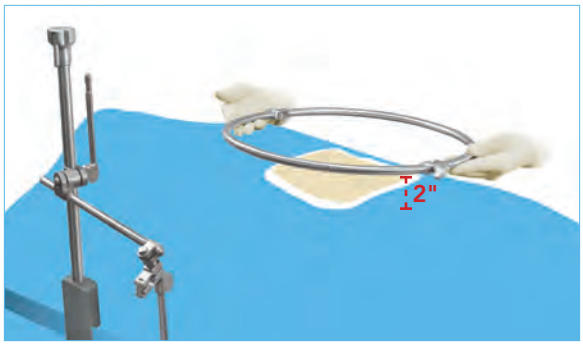
b.

Rotate the 4 tightening screws clockwise to secure the ring halves and ring extensions together. The ring may be secured in a hinged or flat position.

NOTE: Screw must be completely tightened and serrated faces must be fully seated together to ensure a secure attachment.

MOUNTING THE RING FRAME

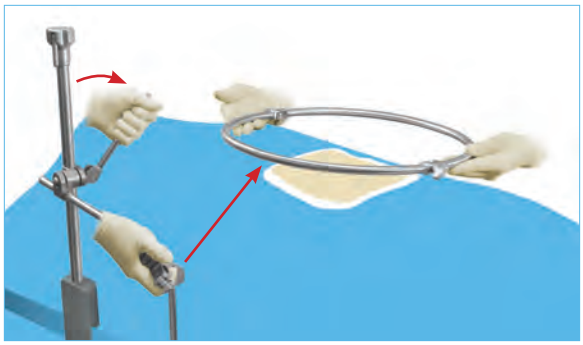
1.



STEP 1

Use an assistant (if needed) to position ring frame 2" above the patient's body, surrounding the incision site.

2.



STEP 2

Unlock the joint on the rail clamp to release the extension arm and slide extension arm toward the ring frame.

3.

STEP 3

Wrap the latch joint jaws around the ring frame *(shown top left)* and secure by flipping the latch joint handle to the "locked" position while grasping the extension arm for leverage *(shown bottom left)*.

4.

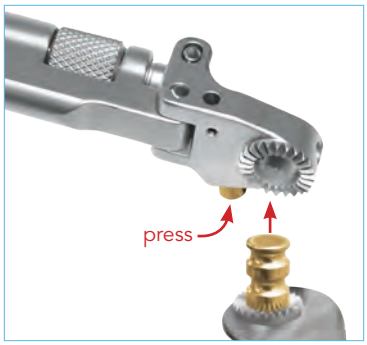
STEP 4

Once ring and extension arm are in place, lock the joint on the rail clamp to secure.

RETRACTOR HANDLES, BLADE PLACEMENT & ADJUSTMENT

Retractor handles lock to the ring frame to support retractor blades. 10" retractor handles are available for use with the ring frame in Cam II and Micro-Adjustable II Clip-on varieties with angling and S-Lock® handle options.

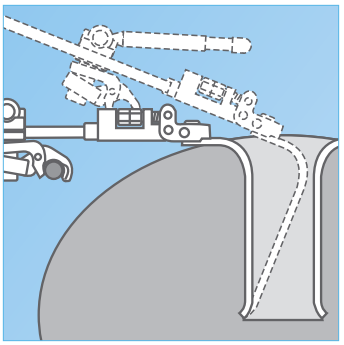
1.



STEP 1

Select a retractor blade, press the button on the head of the retractor handle and insert the blade nipple. Release the button to secure the blade into the retractor handle.

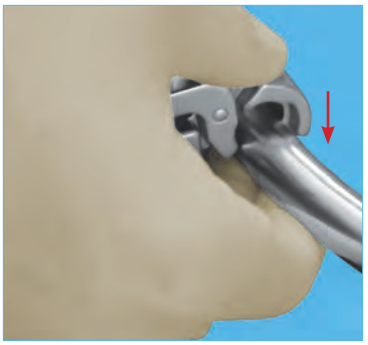
2.



STEP 2

With handle joint in "unlocked" position, place blade in site. Place unlocked handle joint on ring frame, as shown in step 3.

3.



STEP 3

Clip the joint to the ring frame by pushing the joint down over the bar. Keep the bulk of the joint positioned on the outside of the frame.

4.

STEP 4

Position the blade in the incision with your hand and retract back. When using angling retractor handles, use your fingers or the Angling Head Wrench (43032) to turn the angling adjustment and tow the retractor blade as desired.

5.

STEP 5

Holding the blade in place, flip the retractor handle to the locked position squeezing against the handle to secure the blade in the incision.

NOTE: To prevent tissue necrosis release retractors every 20 minutes.

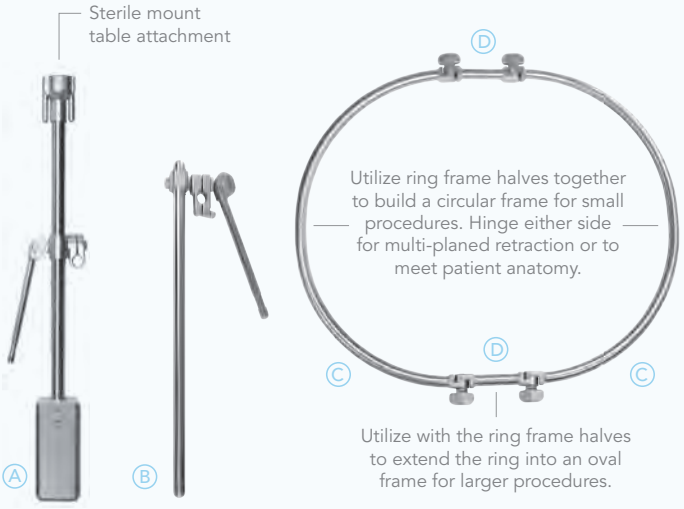
BLADE & RETRACTOR HANDLE ADJUSTMENT TIPS

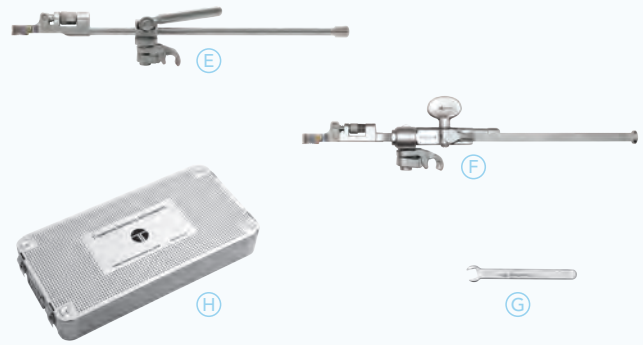
- To retract a blade after a Micro-Adjustable II Retractor Handle has been locked, turn the knob to utilize microadjustable retraction (as shown above).

- To angle a locked & retracted blade, an angling head wrench may be desired for increased leverage. Angling Head Wrench (43032).

- To easily remove clip on joints from Arms, "pinch" the back of the joint using thumb and index finger. Gently lift up off of arm.

Hinged Ring Frame


Sterile mount table attachment
Utilize ring frame halves together to build a circular frame for small procedures. Hinge either side for multi-planed retraction or to meet patient anatomy.
Utilize with the ring frame halves to extend the ring into an oval frame for larger procedures.
A
B
C
D



HINGED RING FRAME KIT

QTY	ITEM DESCRIPTION	PART #
	S-Lock Hinged Ring Frame Kit	**SL90020**
Ⓐ 1	Elite II Rail Clamp 18"	41902AC
Ⓑ 1	Extension Arm with Cam Latch Joint 16"	44614LC
Ⓒ 2	Ring Half Hinged 14 1/2"	44218
Ⓓ 2	Ring Extension 3"	44220
Ⓔ 5	Cam II Clip-on Angling 10"	SL42126WAL
Ⓕ 2	Micro-Adjustable II Clip-on Angling 10"	SL45006CA
Ⓖ 1	Angling Head Wrench	43032
Ⓗ 1	Instrument Case 22" x 11" x 3 1/2" with Pin Mat	50000G

PLEASE REFER TO THE THOMPSON SURGICAL CLEANING AND STERILIZATION MANUAL FOR COMPLETE CLEANING AND STERILIZATION INSTRUCTIONS.

ACCESSORIES AND TROUBLESHOOTING

The Thompson Retractor offers exceptional versatility and can be set up to meet all your exposure needs. Please use the following accessories and troubleshooting tips for easiest set up. If you have additional questions, please contact your account manager at 1-800-227-7543.

RAIL CLAMP DOES NOT FIT ON OR TABLE

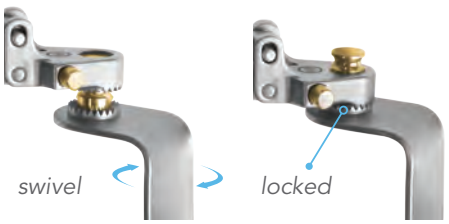
Call for an extender, or if using a Jackson Frame Table, a Jackson Frame Adapter (41927) is available. *If setting up the frame bilaterally, two are required.*

THE RAIL CLAMP IS INTERFERING WITH THE PATIENT

If a bigger bed cannot be used, use our Rail Extender (41917). *If setting up the frame bilaterally, two are required.*

HOW CAN I OBTAIN RETRACTION PERPENDICULAR TO THE FRAME ARMS?

Our patented Cam II and Micro-Adjustable II Handles allow the blade to swivel and retract in any direction as shown. S-Lock blades and handles help secure blades in any orientation without unwanted movement.



1 *Swivel to align on tissue*

2 *Lock in place when movement is not wanted*

Rev B
122214
rfum1214

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Patents: US4971038, US5025780, US5888197, US5897087, US5902233, US5984865, US6017008, US6033363, US6416465, US6511423, US7338442, US7749163, US8257255, US8360971, US8617064. Other patents pending.

Made in the USA

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International customers please call for more information.